

WHAT IS CLAIMED IS

1. A vehicle lamp including

a housing having a light exit opening (3)
an elongate light cover (6; 32) closing the light exit opening,
at least one light emitting diode in the housing laterally of the light cover (6; 32), the light emitting diode having a main emission direction substantially parallel to the longitudinal direction of the light cover (6; 32),
a light guide device (8, 8'; 38, 38') positioned for light emitted by the at least one light emitting diode (15; 34, 34') in the main emission direction to be coupled into the light guide device and at least partially coupled out transversely with respect to said main emission direction towards the light cover (6; 32), and
a reflector arrangement (20; 42) which extends at least on the side of the light guide device (8, 8'; 38, 38') in opposite relationship to the light cover (6; 32) and reflects towards the light cover (6; 32) light which is coupled out therefrom in other directions than towards the light cover (6; 32), the reflector arrangement (20; 42) including a good heat-conducting material and being in good heat-conducting relationship with the at least one light emitting diode (15; 34, 34') to act for same as a cooling means.
2. A vehicle lamp as set forth in claim 1 including

a carrier circuit board (13; 46, 46') on which the at least one light emitting diode (15; 34, 34') is mounted in good heat-conducting contact therewith, the circuit board in turn being in good heat-conducting contact with the reflector arrangement (20; 42).
3. A vehicle lamp as set forth in claim 1
wherein the reflector arrangement (20; 42) includes a plate with a high mirror finish vapor deposited thereon.
4. A vehicle lamp as set forth in claim 1

wherein the reflector arrangement (20; 42) includes a chromium-plated plastic body.

5. A vehicle lamp as set forth in claim 1
wherein the reflector arrangement is formed by at least one housing wall having an inside surface with a reflective layer thereon.

6. A vehicle lamp as set forth in claim 1
in the form of a side flashing lamp (4) for fitting into the housing of an external rear view mirror (1).

7. A vehicle lamp as set forth in claim 1
in the form of a high-set brake lamp.